



Premix Double Condensing Combi Boiler



Seradens Super Plus



Smaller,
more elegant,
more efficient,
more quiet...



**MORE ENERGY SAVING,
MORE PLENTIFUL & FASTER DOMESTIC HOT WATER PRODUCTION
WITH THE CONDENSING TECHNOLOGY
BOTH IN HEATING AND DOMESTIC HOT WATER.**

Technical Specifications

| | | SERADENS SUPER PLUS | | | |
|---|--------|--|--------|--------|--------|
| MODEL | UNIT | SSP 20 | SSP 24 | SSP 28 | SSP 36 |
| Central Heating Technical Specifications | | | | | |
| Seasonal Space Heating Energy Efficiency Class | | A | A | A | A |
| Seasonal Space Heating Energy Efficiency (η_{ss}) | % | 91 | 91 | 91 | 92 |
| Useful Efficiency at 30% of Nominal Heat Output (η_{30}) (50-30°C) | % | 97.3 | 97 | 97 | 97.6 |
| Useful Efficiency at Nominal Heat Output (η_{100}) (80-60°C) | % | 88 | 87.9 | 88 | 88 |
| Rated Heat Output (P_{rated}) (80-60°C) | kW | 20 | 22 | 27 | 34 |
| Nominal Heat Output (P_n) (80-60°C) | kW | 19.6 | 22.4 | 27.4 | 34.2 |
| Nominal Heat Output (50-30°C) | kW | 21.8 | 25.1 | 30.4 | 38.1 |
| 30% of Nominal Heat Output (P_{30}) (50-30°C) | kW | 6.1 | 7.3 | 8.3 | 10.7 |
| Minimum Heat Output (50-30°C) | kW | 4.07 | 4.93 | 6.07 | 6.33 |
| Auxiliary Electrical Consumption at Full Load ($e_{l,max}$) (80-60°C) | kW | 0.08 | 0.081 | 0.084 | 0.093 |
| Auxiliary Electrical Consumption at Part Load ($e_{l,min}$) (80-60°C) | kW | 0.033 | 0.034 | 0.035 | 0.055 |
| Annual Energy Consumption (Q_{HE}) | GJ | 36 | 43 | 52 | 62 |
| Domestic Hot Water Technical Specifications | | | | | |
| Water Heating Energy Efficiency Class | | A | A | A | A |
| Water Heating Energy Efficiency (η_{WH}) | % | 91 | 92 | 90 | 90 |
| Water Heating Load Profile | | XL | XL | XXL | XXL |
| DHW Flow Rate at $\Delta T: 30K$ | lt/min | 12 | 15 | 17 | 21 |
| Maximum DHW Flow Rate | lt/min | 12 | 17 | 17 | 22 |
| Daily Electrical Power Consumption (Q_{elec}) | kWh | 0.191 | 0.173 | 0.181 | 0.176 |
| Annual Electricity Consumption (AEC) | kWh | 41.958 | 37.989 | 39.761 | 38.676 |
| Daily Gas Consumption (Q_{fuel}) | kWh | 20.824 | 20.746 | 26.711 | 26.902 |
| Annual Fuel Consumption (AFC) | GJ | 16 | 16 | 21 | 21 |
| General Technical Specifications | | | | | |
| NOx Class | | 6 | 6 | 6 | 6 |
| Emissions of Nitrogen Oxide (NO_x) | mg/kWh | 34.763 | 47.259 | 36.212 | 33.666 |
| Sound Power Level, Indoors (L_{WA}) | dB | 39 | 40 | 40 | 42 |
| Auxiliary Electrical Consumption in Standby Mode (P_{SB}) | kW | 0.004 | 0.004 | 0.004 | 0.004 |
| Standby Heat Losses (P_{stby}) | kW | 0.065 | 0.084 | 0.061 | 0.075 |
| Ignition Burner Energy Consumption (P_{ign}) | kW | 0 | 0 | 0 | 0 |
| Physical Properties | | | | | |
| Flue Connection Types | | B23 - B33 - C13 - C13(x) - C33 - C33(x) - C43 - C43(x) - C53 - C53(x) - C63 - C63(x) - C83 - C83(x) - C93 - C93(x) | | | |
| Dimensions (Width x Height x Depth) | mm | 437 x 640 x 302 | | | |
| Weight (Net) | kg | 33 | | | |
| Expansion Tank Capacity | lt | 8 | | | |
| Power Supply | V/Hz | 230/50 | | | |



Smart Thermostat Set*

With your smart thermostat, you may control your combi boiler from your smart phone or tablet wherever you are in the world. You may access and change the current temperature settings or timing schedules.



*Optional.

- Stainless steel main exchanger with long service life and high resistance against condensate water. Additional exchanger coils for condensation in domestic hot water production.
- Radiation losses decrease and efficiency increases thanks to the cold burner door in the main heat exchanger.
- Ideal gas-air mixture, high efficiency, low noise level, low flue gas temperature and low emission rate thanks to the premix system, environmentally friendly product.
- High efficiency proved by the very low flue gas temperature (flue gas temperature reduced up to 34°C).
- Less stop and start operations, more fuel saving with the very extensive heating modulation range that goes from 17% to 100%.
- Less fuel consumption.
- Less power consumption, thanks to the high efficient class pump ($EEI \leq 0,20$).
- High pump head.
- White illuminated large LCD display.
- Digital manometer.
- Eco mod allows practical and economic setting of both central heating and domestic hot water.
- Very low sound level (39-42 dB).
- Compatible for natural gas and Propane-LPG.

You can find the informations about the different automatic control accessories in our website.



Manufacturer reserves the right to change any product specifications without notice.